

## TDRS Project Conference Room Update – NNG15535746Q

### Questions and Answers (2)

1. Can this opportunity be quoted using NASA SEWP Contract?

Yes.

2. What cable raceways/passages exist to the conference table?

A2. None.

3. What is the floor, wall and ceiling construction?

A3. Floor: Carpet Tiles over linoleum tiles over concrete.

A3. Walls: Two concrete block walls and two dry-wall walls.

A3. Ceiling: Drop ceiling with acoustic tiles

4. How much space is above the suspended ceiling?

A4. A minimum of 1 foot. Perhaps as much as 3 feet. See pictures below.



5. Is the space above the suspended ceiling a plenum air space?

A5. Yes. Air ducts, sprinkler pipes, and cabling conduits and cables are present.

6. The RFP requests replacement of the Polycom tabletop conference phone and installation of two (2) 360-degree ceiling mounted microphones. Is it the desired intention to only use ceiling mounted microphones and room speakers for the audio connection of telephone and/or video teleconference calls?

A6. Yes.

7. If the desire is to remove the existing tabletop conference phones, is it also a desire to utilize touch-screen controls to perform the dialing? Assuming that the desire is to use touch-screen controls, where would the customer like to see the touch-screen located?

A7. Yes. On the conference table.

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8. The RFP requests replacement of a Marantz SR 5004 surround sound receiver. There does not appear to be any multi-channel audio sources in the system. Does the replacement system need to support multi-channel audio such 5.1?

A8. No.

9. The RFP requests retaining two Panasonic Panaboard and associated color printers. There does not appear to be a projector associated with either whiteboard. How are these devices utilized in the existing system?

A9. These devices are not used within the existing system. The whiteboards and color printers are used separately and projection of the whiteboards is not required or desired.

10. What is the manufacturer and model number for the existing control system and wall switch interface?

Wall Switch Interface: RTI® 3.5" color in-wall system controller. White. Part Number RTI-RK3G.  
RTI® advanced system controller. Part Number RTI-XP8.  
RTI® 4-device connecting block for K3/ K4. Part Number RTI-CB4.

Control System: Manufacturer is Extron. Series MVX. Model number not available. It would require removal of the unit from the rack mount).

11. What devices are currently controlled by the existing control system?

A11. Projectors, Screens, Video Teleconferencing System, External Laptops, and TV.

12. Are all of the existing devices, which are to be retained, in known good working order?

A12. Yes.

13. What is the model number and serial number of the Tandberg VTC codec and camera?

A13. Tandberg® 600MXP with Precision High Definition camera (serial number is not accessible, retrieval of the serial number would require removal of the unit from the rack mount).

14. How many ISDN "U" interfaces need to be supported by the Tandberg VTC codec, four?

A14. Yes.

15. What devices are currently connected to the Extron MVX 44 VGA A?

A15. See A.11 above.

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16. There is no mention of the existing display mounted on the wall at the end of the room with the two projection screens. Is this display to be incorporated into the system and if so, what is the manufacturer and model number?

A16. Yes. Pioneer large screen (~62") monitor. Retrieval of the Model number would require removing the unit from the wall mount to gain access to the back panel.

17. There appears to be a single computer in the existing system. Are there any laptop interfaces at the conference table? Is this the only computer requiring audio/video connectivity to the integrated solution?

A17. There are one or two laptop connections at the table for projecting presentations (mostly Powerpoint) on the projection screens. Our conference room participants typically connect their laptops to the internet wirelessly via the wireless access point. There are typically two or three LAN cable connections on the conference table in case wireless access is unavailable.

18. Are audio and video the only interfaces requiring connectivity to the system from the GFE computer(s) (i.e. USB2.0)? If additional connections are required, how many and what type of interface(s) are required?

A18. Yes.

19. What is the aspect ratio and size of the existing projection screens?

A19. 4:3 aspect ratio.

20. What is the model number of the existing InFocus projectors?

A20. InFocus® DLP® multimedia projector. 3500 lumens, native XGA (1024x768). 2000:1 contrast ratio. Part Number INF-IN3104.

21. Are the new projectors to match the screen aspect ratio or updated to widescreen format regardless of existing projection screen aspect ratio?

A21. We are aware of the potential aspect ratio issues. We expect the vendors will quote hardware that provides the best quality image possible given the limitations of the existing screens.

22. Are the existing projection screens which are to be retained controlled by the control system?

A22. Yes.

23. Please provide a description of the expectation of the red/green mute indicators desired to be added to the room. Should these be relatively low light output devices, single lens, etc?

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A23. The red/green mute indicators should be prominent and clearly visible to all participants in the conference room.

24. What types of interfaces should exist at the two conference table “covered access ports”?

A24. Multiple electrical outlets for laptop charging. LAN cables for wired access to the internet. Laptop interface solution to system for presentation projections.

25. Under section B of the requirements it states “The Government will retain the following items of equipment in the TDRS project conference room:”

26. Should we expect that the government will reuse these items in this conference room for the new set up and we should not quote new assets to replace them?

A25/A26. Yes.

### UL 508 Standard

1. How does NASA currently satisfy the requirements listed under the 508 standard for telecommunications products?

A1. The Bldg. 12, E008B, conference room equipment is older and this will be its first update involving the 508 standard. The project understands that full compliance with the 508 standard may not be achieved under a single acquisition. Our specific requirements in the area of 508 compliance stem from the presence of an employee with a visual disability who resided within Bldg. 12. As you indicate below, touch-screens do not provide the functionality needed to provide the required access for persons with visual disabilities. As such the project is looking for a solution that would permit said persons to operate the telephone, projectors, screens, etc. without assistance (e.g., brail buttons). We have IT specialists that assist all of our personnel with the more complicated equipment needs such as setting up video teleconferences.

Additionally, we did not want to preclude the possibility that a vendor may have a solution for persons with hearing disabilities, though at this time our main focus is on the assistance for persons with visual disabilities.

2. Is it NASA’s intent to provide a TTY network connection for TTY users provided that the VTC and audio conferencing solution permits muting of the conference audio and all of the TTY requirements are to be satisfied by the TTY equipment provided by others?

A2. We do not plan to provide a TTY network connection. The TTY requirements should be satisfied by the vendor under this acquisition, or the vendor may take exception to this requirement if they do not have a viable solution to offer.

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3. Item (a) states: “Telecommunications products or systems which provide a function allowing voice communication and which do not themselves provide a TTY functionality shall provide a standard non-acoustic connection point for TTYs. Microphones shall be capable of being turned on and off to allow the user to intermix speech with TTY use.”

Item (b) states; “Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.”

- a. Please define the type of interface you are expecting “TTY” users to require. “TTY” was once only a dial-up telephone connection technology, but has in recent years advanced with technology to include other forms and technologies.

A3(a). Current standard industry technology for conference room setups.

- b. If we are to assume that this will be traditional dial-up telephone interface, can we assume that there will not be any requirement for multi-point conference calls and a shared telephone line connection is what you are requesting?

A3(b). No, our conference room participants use conference calling extensively.

- c. If you requesting a shared telephone line interface how will the participants and systems know when to switch modes as it will be necessary to mute the speakers in the room as well as the microphones during TTY usage?

A3(c). The vendor will need to provide a switching solution or the vendor may take exception to the requirement.

- d. Additionally, shared access of audio functionality and TTY modem access would likely impose interference issues with the audio and TTY modem technologies and would likely result in unusable solutions. We suggest removal of all TTY functionality requirements due to local interoperability and remote interoperability issues.

A3(d). The vendor may take exception to this requirement if they do not have a viable solution to offer.

4. Items (c) and (d) do not apply to the requested system modifications and as such should be deleted.

A4. Understood. Our requirement is for a conference room setup. We acknowledge these requirements are not applicable to this acquisition. We’ve revised our SOW to delete this requirement.

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5. Item (e) states: “Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.” This requirement is outside the scope of the deliverable product and a function of the “TTY” equipment and therefore should be removed.

A5. Understood. Our requirement is for a conference room setup. We acknowledge this requirement is not applicable to this acquisition. We’ve revised our SOW to delete this requirement.

6. Item (h) states: “Where a telecommunications product delivers output by an audio transducer which is normally held up to the ear, a means for effective magnetic wireless coupling to hearing technologies shall be provided.” No handheld telecommunications device which is to be held up to the ear has been requested and as such this requirement should be removed.

A6. Understood. Our requirement is for a conference room setup. We acknowledge this requirement as written is not applicable to this acquisition; however, there is a requirement for enhanced audio output to those with audio disabilities, via the Equivalent Facilitation provision. We’ve revised our SOW accordingly.

7. Item (j) states: “Products that transmit or conduct information or communication, shall pass through cross-manufacturer, non-proprietary, industry-standard codes, translation protocols, formats or other information necessary to provide the information or communication in a usable format. Technologies which use encoding, signal compression, format transformation, or similar techniques shall not remove information needed for access or shall restore it upon delivery.” Please define how this requirement would apply.

A7. Vendor-specific standards and protocols would not be compliant with this requirement. Industry standards and protocols are required.

8. Products such as touch-screens do not provide the functionality defined in section (k) and therefore would be immune to the requirements listed in item “(k)” due to the nature of touch-screen controls. Please advise if this is going to be acceptable as a part of the solution.

A8. See our response A1 under “UL 508 Standard”, above.